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Spring 2016

### Quote Inspire

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## **ABSTRACT**

This is proposal for developing the interactive mobile application for android. This quotation application which contains 50+ quotations from various different categories like motivation, leadership, wisdom, spiritual etc. and also 50+ background pictures. There are many existing quotation applications available in present android market, we are trying to enhance the features of these applications which makes application more realistic, interactive and user friendly. Users can navigate and select quotations and background pictures from dashboard and select specific time for display. User can add quotations and background pictures also create his/her own quotation pictures by using the quotation editor available in the application. It has features like randomization, alarm, push notifications daily or weekly and also allows user to share quotations via texting, email, social media etc. For developing this application, we have My eclipse and Adt extension for android emulator for testing and for backend I have

It can be available to use on android based mobile phones by April 29 2016.

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## **1 Project Description**

The main focus of the project is to design an interactive application using the java to make the wallpaper of the android device to look better. In current situation we have setting to change the wall papers depending on user interest. This helps in making the wallpaper more attractive in instead using the same wallpaper. In the wallpaper user cannot opt for the setting which has quote or which changes according to the user's interest.

In this application Android user can change the wallpaper and also the screensaver with the quote embedded in it. The user has an option to change the wallpaper and also set the quote from the quote bank. The user can also set timer for the change of the quote on the wallpaper.

The user can also set timer for the change of the wallpaper on the same quote. As part of the application a gets images of different categories and quotes of different categories. The user can also get the images from the gallery of the device. The user can also use the Google Photos which a cloud for saving he photo.

## **Competitive Information**

Till date there have been no apps that have been released for the android operating system. The android UI gives a certain number of the ways to keep the more attractive but there is no such app which has all the features. The current app has the ability to change the quote and wallpaper

## **1.1 Relationship to Other Applications/Projects**

The app is basically independent as the app itself has the preloaded images and also the quotes. For the user convenience few are also allowing the user to use the images from the gallery of the device and also from the Google Photos.

## **1.2 Assumptions and Dependencies**

As the operating system is maintained by the Google Inc. which constantly enhances the UI, the company may also change the settings of wallpaper in the current app is being done.

In the previous versions of android operating system, the company has introduced to keep the videos to set them as the wallpaper.

Apart from that their numerous application developers which may mimic the same way the app is being developed

There are themes which are offered in app store of the operating system which may affect the functionality of the app

There are no changes the user need to make in device apart from the installation of the application from App Store

## **1.3 Future Enhancements**

As the project is the first of this kind in the operating system there is broad scope of making enhancements in the app. There are many ways the wallpaper can be made attractive.

The further enhancements include the

- 1) Animated wallpapers with quotes on them
- 2) The videos can be put as the wallpaper which is built in functionality in the Android UI which can be modified to keep the quotes on them

- 3) Using the word art, the quotes can be made look attractive
- 4) In the Play store the user can give feedback on app which can be used as the suggestion to enhance the functionalities of app
- 5) The quotes can also be put in different languages.

## **1.4 Definitions and Acronyms.**

Definitions of various terms used in the documentation

- 1) Android: This is the mobile operating system which was developed by Andy Rubin, currently maintained by Google
- 2) Play Store: This is the online library of all the apps can be accessible.
- 3) UI: User interface this can be defined as the look and feel
- 4) ADT: Android development tool

## **2 Project Technical Description**

In current project is being developed on the java platform we have used the my eclipse for the development environment .

We have used the ADT extension for the for creating the virtual environment for running the app

### **2.1 Application Architecture**

### **2.2 Application Information flows**

Main purpose of this application is to make the wallpaper of the android device look attractive.

The interface of the application is very simple user need to download the application from the Google Play store

The user need to select the images and the quotes he wants to display as the wallpaper and set the timer for that

### **2.3 Interactions with other Applications**

The application can interact with other apps such as the gallery of the device and also the Google photos application which is cloud based photo storing app which is provided by the Google

### **2.4 Capabilities**

This app works only on the Android operating System. The version of operating system should be on 4.0 or higher.

### **2.5 Risk Assessment and Management**

There is no security for this application. This does not deal with the any web based services. The app store which is provided by google gives the necessary security for the apps

## **3 Project Requirements**

### **3.1 Identification of Requirements**

**<QuoteInspire-SP2016-1.0-00100">**

User can able to select image from nature gallery

**<QuoteInspire-SP2016-1.0-00102">**

User can able to select image from sports gallery

**<QuoteInspire-SP2016-1.0-00103">**

User can able to select image from wildlife gallery

**<QuoteInspire-SP2016-1.0-00104">**

User can able to select image from celebrity gallery

**<QuoteInspire-SP2016-1.0-00105">**

User can able to select image from motivation gallery

**<QuoteInspire-SP2016-1.0-00106">**

User can able to select image from politicians gallery

**<QuoteInspire-SP2016-1.0-00107">**

User can able to select image from animals gallery

**<QuoteInspire-SP2016-1.0-00108">**

User can able to select image from Famous Ceo gallery

**<QuoteInspire-SP2016-1.0-00109">**

User can able to select image from architecture gallery

**<QuoteInspire-SP2016-1.0-00110">**

User can able to select quotes from inspirational quotes

**<QuoteInspire-SP2016-1.0-00111">**

User can able to select quotes from humor quotes



**<QuoteInspire-SP2016-1.0-00112">**

User can able to select quotes from motivational quotes

**<QuoteInspire-SP2016-1.0-00113">**

User can able to select quotes from romance quotes

**<QuoteInspire-SP2016-1.0-00114">**

User can able to select quotes from famous people quotes

**<QuoteInspire-SP2016-1.0-00115">**

User can able to select quotes from success quotes

**<QuoteInspire-SP2016-1.0-00116">**

User can able to select quotes from life quotes

**<QuoteInspire-SP2016-1.0-00117">**

User can able to select quotes from positive quotes

**<QuoteInspire-SP2016-1.0-00118">**

User can able to select quotes from funny quotes

**<QuoteInspire-SP2016-1.0-00119">**

User can able to select quotes from devotional quotes

**<QuoteInspire-SP2016-1.0-00120">**

User can able to select quotes and images randomly

**<QuoteInspire-SP2016-1.0-00121">**

User can able to select timeframe to display images and quotes on background

**<QuoteInspire-SP2016-1.0-00122">**

User can able to add new images from local gallery

**<QuoteInspire-SP2016-1.0-00123">**

User can able add new images from google photos

**<QuoteInspire-SP2016-1.0-00124">**

User can able use app as widget

**<QuoteInspire-SP2016-1.0-00125">**

QuoteInspire can run in background by keep changing background on screen randomly

### **3.2 Operations, Administration, Maintenance and Provisioning (OAM&P)**

The administration of the app includes the fixing the security patches. The continuous update of the app based on the newer versions of the operating system are released to make compatible. As the user can give the reviews on the app the reviews can used for the enhancement or o modifications of the app.

### 3.3 Security and Fraud Prevention

There is no security for this application. This does not deal with the any web based services. The app store which is provided by google gives the necessary security for the apps

### 3.4 Release and Transition Plan

The app will be available in the Play store from April 29, 2016. Further developments will have made in project depending on the user feedback from the play store.

## 4 Project Design Description

The project is first of this kind in the Android operating system which has the functionality of the changing both quotes and also the wallpaper randomly or by the user interest. The design of the project is very simple and also interactive

The app has two section in it has the quotes and Images o the main screen.

The user can select either one image or the multiple images. The user can also select the one or more quotes from the quote bank. Apart from that user can select the images from the

## 5 Internal/external Interface Impacts and Specification

The apps have the both the internal and also the external interface

**Internal interface:** The internal interface of the project can be the described as the internal communication between the between the projects can be attributed the how the projects the images can also the quotes can run together to make the wallpaper look better.

**External Interface:** The current interface of the project can be defined as the how the current interfaces are being developed to make it interact with others and also the way.

## **6 Design Units Impacts**

The project has the simple design type and the user interface is very simple.

The current app interface has only one design the interface for the design is very simple. The project can be made robust with the simple design. The design can be attributed to the stock android. Which is very simple and also the more interactive? In order to do that the design of the project has been made that it need no leaning about the app. Any user using the Android device will be able to use the app with the use. The app is being developed so interactive a first time android user can also use the app to work on it



20  
KB/s



4G



2:29

“Ask not what your country can do for you – ask what you can do for your country”--- John F. Kennedy

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“I have a dream that my four little children will one day live in a nation where they will not be judged by the color of their skin, but by the content of their character.” --- Martin Luther King, Jr.

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“When I despair, I remember that all through history the way of truth and love have always won. There have been tyrants and murderers, and for a time, they can seem invincible, but in the end, they always fall. Think of it--always.” --- Mahatma Gandhi

---

“If I am walking with two other men, each of them will serve as my teacher. I will pick out the good points of the one and imitate them, and the bad points of the other and correct them in myself.” ---



25  
KB/s



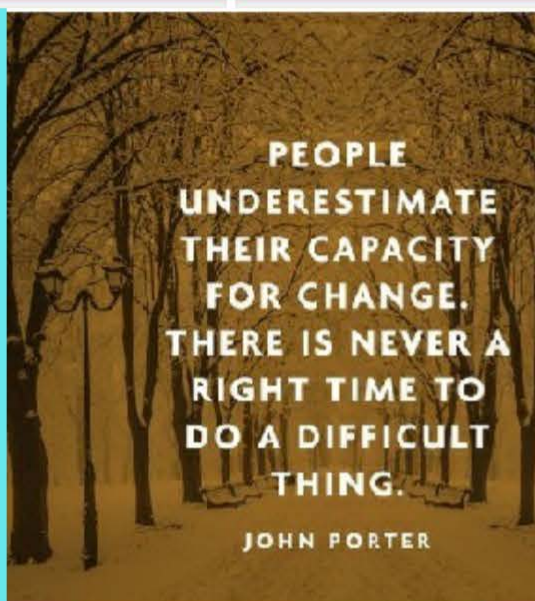
4G



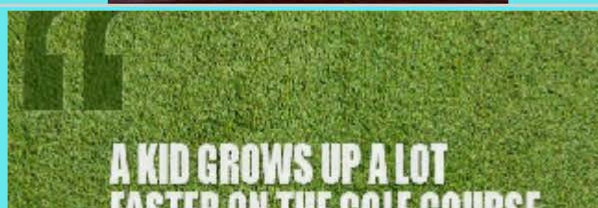
2:15

Start Slide Show

Stop Slide Show



*Better things  
are coming.*





0  
KB/s



4G<sup>+</sup>



2:14

Images

Quotes

Famous People Quotes

---

Inspirational quotes

---

Humor quotes

---

Romance quotes



16  
KB/s



4G



2:14

Images

Quotes



Politicians



Animals



Celebrities



Motivation





0  
KB/s



3G



1:30

Google



**SOME DAYS  
YOU JUST HAVE TO  
CREATE YOUR OWN  
SUNSHINE**



0  
KB/s



3G



1:30

Google

Say "Ok Google"



Difficult roads  
often lead to  
beautiful  
destinations

0  
KB/s



3G



1:19

Google



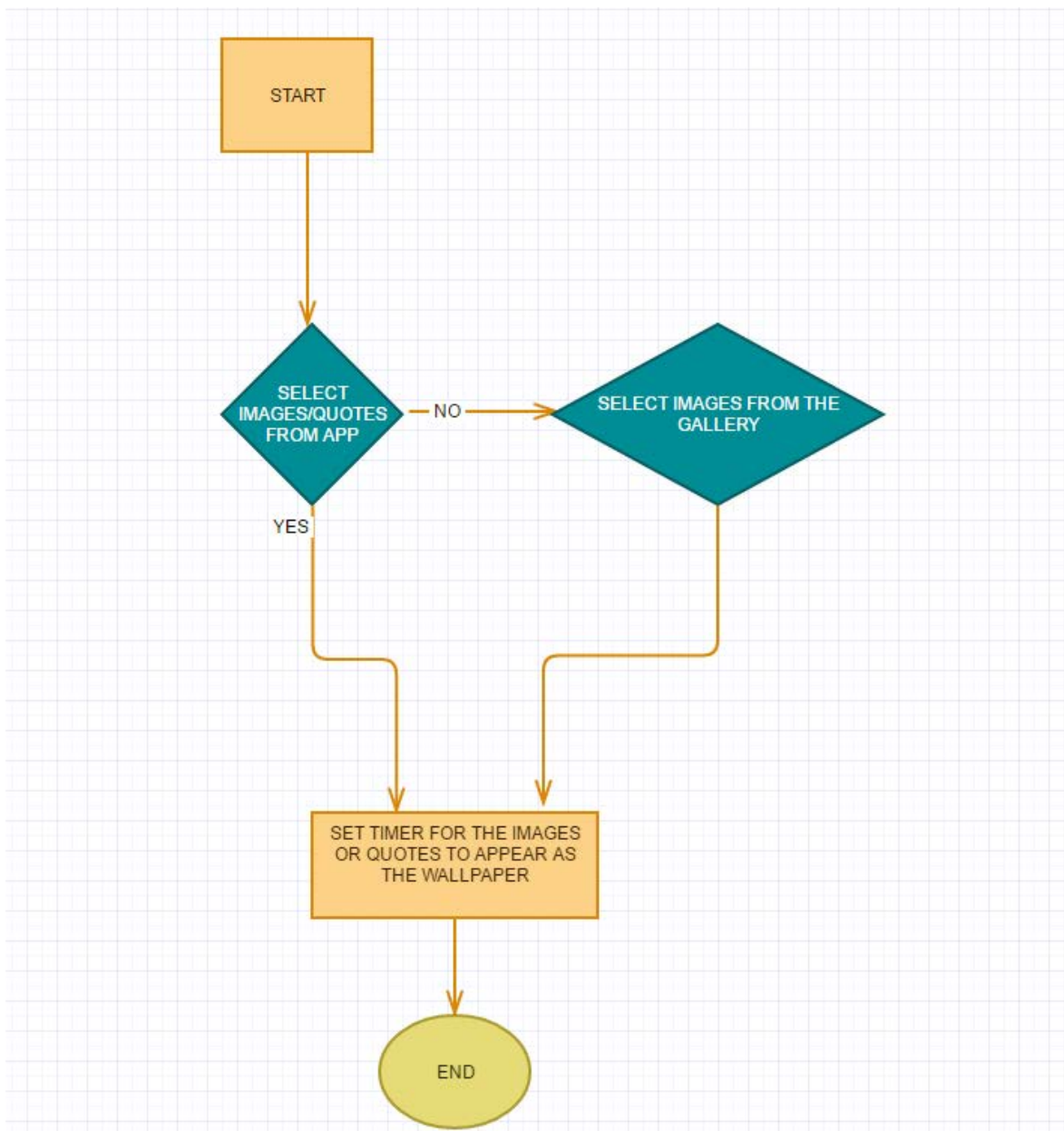
Failure is stepping stone to success

## 6.1 Functional Area A/Design Unit A

### 6.1.1 Functional Overview

The project has only one functional unit that is the main unit. The app interface is can is attributed to the interface to the stock android

#### Flow chart:



### **6.1.2 Impacts**

Replace this section with the description of the project impacts on this functional area. If there are no known impacts, state that accordingly. Sufficient detail should be provided to allow for developers to change functional area documentation as well as the associated software or hardware design.

### **6.1.3 Requirements**

Replace this section with a list of project requirements covered by this functional area (from the set of total Project requirements). Requirements are allowed to be implemented by more than one design unit, in which case the requirement is noted here as being partially implemented by this design unit. However, in these cases, one design unit must be assigned responsibility for delivery of the complete requirement, i.e. ensuring that the "pieces" of the requirement implementation all come together and the entire requirement is met. If there are no impacts to this functional area, this section can be omitted.

All requirements covered by the design must be listed with the requirements tag number. It is not necessary to copy the text associated with a requirement number as that will require you to update the design document anytime there is a change in the text.

## **7 Open Issues**

The app currently has no open issues; the stability of the app depends on the Hard configuration of the device may affect

## **8 Acknowledgements**

It has been a great opportunity to gain lots of experience in real time projects, followed by the knowledge of how to actually design and analyze real projects. For that we want to thank Prof Nelson Chen who made it possible for students like us. Special thanks to the graduation Project Unit for the efforts they did to provide us

with all useful information and making the path clear for the students to implement all the education periods in real-time project design and analysis. Furthermore, we all the professors and visiting industry for the interesting lectures they presented which had great benefit for all of us. We would like to express our deepest gratitude to our graduation project supervisor Prof Nelson Chen for his patience and guidance along the semester. In addition, for his guidance, continuous encouragement and support during the course. Moreover, it is our duty to thank all the testing committee members for their generous discussions and encouragement.

## **9 References**

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2) Getting Started in android

<http://developer.android.com/guide/index.html>

3) The Java™ Tutorials

<https://docs.oracle.com/javase/tutorial/>

## **10 Appendices.**